

Practical Bioinformatics 'The Bioinformatics Lab' (Summer Term 2010)

Linux Command Line Exam 1

10 / 05 / 2010

Name: _____

Student ID: _____

15 minutes editing time. The use of a computer is allowed.

- 1) What is the command to bring down your system in a safe way?

- 2) What is the command to request that the system be rebooted after it has been brought down?

- 3) What is the command to change an user account to request a new password at the next user login?

- 4) What environment variable holds your home directory?

- 5) What is the command to look up a man page?

- 6) What is the command to search the manual page names and descriptions, i.e. what command would you use to find a man page when you do not exactly know its name?

- 7) What is the command to move up two directory levels?

- 8) What is the command to change file mode bits on a directory?

- 9) What is the command to change group ownership recursively on every file and directory in a directory tree?

- 10) What is the command to find all directories matching '.svn' in a directory tree?

- 11) What is the command to set file mode creation mask?

12) What is the command to query (print) your file mode creation mask?

13) Your file creation mask is 0022 right now. What sequence of commands would you use to create a 0 size file that is `_created_` with no permissions for 'group' and 'others'?

14) What is the command to list a directory tree recursively?

15) What key strokes do you need to suspend your vim editor and get to the command line?

16) What key strokes do you need to resume your vim editor that you suspended earlier?

17) What key strokes do you need to terminate a long running find command running in the foreground?

18) What is the command to kill a process that refuses to die of a TERM signal?

19) Tricky question: What is the command to kill a process that refuses to die if a KILL signal?

20) What is the command to resume in the background the last job you suspended with CTRL+Z?

21) What is the command to resume in the foreground the last job you backgrounded?

22) What is the command to list all your background and foreground jobs?

23) What does the line printed mean when you do `'sleep 60 &<ENTER>'`?

24) What is the command to print `'Rost<newline>Lab<newline>'`? Give one single command.

25) What is the role of the `'|'` sign in this command: `"ps -Afl|grep 'nfs'"`
